

# **Water Filtration Plant Operations**

## **Tuesday, May 5, 2015**

- 8:00 - 8:30 Registration, Introductions, and Pretest
- 8:30 – 10:15 Introduction to Water Treatment (Coagulation – Electrokinetic Charges)
- 10:15 - 10:30 Break
- 10:30 – 11:15 Coagulant Chemicals
- 11:15 – 12 N Flocculation
- 12:00 - 1:00 Lunch Break
- 1:00 - 2:00 Sedimentation
- 2:00 – 2:45 Filtration
- 2:45 – 3:00 Break
- 3:00 – 3:45 Filtration Continued
- 3:45 – 4:30 Filtration and Jeopardy

## **(Wednesday, May 6, 2015)**

- 8:15 - 9:30 Introduction to Jar testing
- 9:30 – 10:30 Jar Testing (Exercises)
- 10:30 - 10:45 Break
- 10:45 – 12:00 Jar Testing (Exercises)
- 12:00 - 1:00 Lunch Break
- 1:00 - 2:00 Applying Jar Test Results to Plant Process
- 2:00 – 3:00 Group Exercises – Application of results to plant processes
- 3:00 – 3:15 Break
- 3:15 – 4:30 Pressure Filters

**(Thursday, May 7, 2015)**

8:30 - 9:30 Iron and Manganese Control

9:30 – 10:30 Arsenic Removal Systems

10:30 - 10:45 Break

10:45–12:00 Disinfection/Ammonia/Chloramines

12:00 - 1:00 Lunch Break

1:00 - 2:00 Fluoridation

2:00 – 4:30 Water Treatment Plant Tour

4:30 – 5:00 Evaluations and Wrap up